

USE

Mineral premix in powder form for use as a skimming coat for repairing and smoothing indoor and outdoor wall and ceiling substrates, suitable for reinforced skimming of cracked substrates such as lime/cement based plasters and mineral finishes. A rustic effect can be obtained by sponge trowel. The product must be covered with finishes, preferably mineral finishes.

401 PLUS offers the following advantages:

- Based on natural hydraulic lime
- Excellent workability, durability and mechanical strength due to the silica sand contained in the product
- Excellent adhesion on different types of substrate (plaster, concrete, bricks or blocks, panels, etc.).
- Good mechanical resistance to compression
- Excellent alkali resistance
- Good impermeability
- Excellent resistance to freeze/thaw cycles
- Fibre-reinforced
- Thixotropic
- Smoothable

COMPOSITION

Skim plaster based on natural hydraulic lime, selected siliceous quartz and crystalline carbonate aggregates with controlled grain size, fibres and additives that give the product high adhesion, impermeability, thixotropy and final strength.

PROCESSING

Warnings:

Do not apply on metal surfaces or surfaces subject to strong deformation such as fibre cement panels.

Protect the product from rain, washout, strong wind for at least 48 hours after laying, and from frost or direct sun for at least 7 days after laying.

Do not apply on frozen substrates or at room temperatures below + 5°C. The application temperature of the product must be between + 5°C and +35°C.

Do not add other materials to **401 PLUS**.

Substrate preparation: Remove loose materials. Remove oil, release agents, dust, efflorescence, salt deposits, any paint or coatings that are not perfectly adherent and stable. Check that the substrate is sufficiently flat, dry and free of rising damp.

For new plasters, check that they have reached full maturity.

Preparation of the mixture: 401 PLUS is ready to use and should be mixed with:

5.5 ÷ 6 litres of clean water per 25 kg bag.

Use a drill with a whisk at low speed until a plastic, homogenous mixture is obtained within 3-5 minutes of mixing.

Allow to stand for about 5 minutes before use and re-mix for about 15 seconds.

Reinforced skim: Spread a first layer of **401 PLUS** skimming compound evenly using a notched steel trowel; apply the reinforcing mesh, overlapping one layer with the other by ten centimetres; bury it by applying a second coat fresh on fresh so as to create a reinforced single layer; for the mesh to be fully effective, it must be completely embedded one third of the single layer.

Finishing skim coat: Spread the material using an American trowel. A civil finish can be obtained by using a sponge trowel. After application, wait at least 21 days before applying further finishes, such as thick coatings. During the summer season and/or in case of wind, the surface must be cared for and moistened by spraying clean water for at least 48 hours.

PRESERVATION AND STORAGE

Stability 1 year in unopened original packaging at a temperature between +5°C and +35°C in a cool, dry and frost-free place. Avoid exposing the bags to direct sunlight for a long time. Once the polyethylene protection on the pallet has been removed, protect the bags from rain.

TECHNICAL FEATURES

	Value	Normative Ref.
SPECIFIC WEIGHT hardened mortar	1.5 kg/l	
DRY RESIDUAL (by weight)	100%	
CONSUMPTION (indicative depending on type of substrate)	Approx. 1.5 kg/m ² /mm	
RECOMMENDED THICKNESS	>3 mm <20 mm	
GRANULOMETRY	≤ 1.4 mm	UNI EN 1015-1
COLOUR	White	
REACTION TO FIRE	Euroclass A1	UNI EN 13501-1
COMPRESSION RESISTANCE (28 days)	CS III	UNI EN 1015-11
ADHESION	≥ 0.5 N/mm ² FP : B	UNI EN 1015-12
WATER VAPOUR DIFFUSION COEFFICIENT	μ = 15	UNI EN 1015-19
WATER ABSORPTION	Category W _c 2	EN 1015-18
THERMAL CONDUCTIVITY	0.37 W / m K	UNI EN 1745
WORKABILITY TIME	2 h	
APPLICATION TEMPERATURE	+5°C+35°C	

SPECIFICATION ITEM

Fibre-reinforced skimming plaster in powder form based on natural hydraulic lime and silica sand suitable for restoring and smoothing indoor and outdoor wall substrates with an average consumption of 1.5 kg/m /mm.²

WARNINGS

In order to carry out the work in a workmanlike manner, it is essential to follow the surface preparation instructions in the CAP Arreghini books, The specification data were determined at +20 ± 1°C with an ambient relative humidity of 65 ± 5%. Under different conditions, data and times between operations vary.

The technical information contained herein is indicative only. Due to the enormous variety of substrates and application conditions, it is recommended to check the suitability of the product and its effectiveness by means of tests carried out on the specific application.